

Appl. No. 09/787,853  
 Atty. Docket No. 7713  
 Amdt. dated 12/01/2003  
 Reply to Office Action of August 29, 2003

LISTING OF THE CLAIMS

**Claim 1. (Previously Amended)** A granular detergent composition having an average bulk density of at least about 400 g/L and comprising particles, at least about 90% of said particles having a mean particle diameter in the range from about 700 microns to about 1000 microns, with a geometric standard deviation from about 1.0 to about 1.4, said particles having a circularity less than about 50 and an aspect ratio less than about 2, said composition being characterized by a rate of dispersion as defined by the equation:

$$R = R^* + (1 - R^*) \exp\left(-\left(\frac{t}{DT(t_{wash})}\right)^m\right)$$

where R is the residual undissolved detergent at any point in time, t, R\* is the long term residual undispersed detergent having a value of less than about 14% of the total amount of an initial dosage of detergent, t is any single point in time, m is a stretching exponent having a value of less than about 2, DT is dispersion time having a value of less than about 0.5 and  $t_{wash}$  is the time of the wash cycle.

**Claim 2. (Original)** The granular detergent composition as claimed in Claim 1 wherein at least 90% of the insoluble residues of the granular detergent composition have an average particle size of less than about 10  $\mu\text{m}$ .

**Claim 3. (Original)** The granular detergent composition as claimed in Claim 1 wherein R\* has a value of less than about 7%, m has a value of less than about 1.5 and DT has a value of less than about 0.25.

**Claims 4. (Original)** The granular detergent composition as claimed in Claim 3 wherein R\* has a value of less than about 3.5%, m has a value of less than about 1 and DT has a value of less than about 0.12.

**Claim 5. (Previously Amended)** The granular detergent composition as claimed in Claim 1 wherein said detergent composition has a rate of dissolution as defined by the equation:

$$U = U^* + (1 - U^*) \exp\left(-\left(\frac{t}{RT(t_{wash})}\right)^n\right)$$

where U is the fraction of undissolved surfactant at any point in time, t, U\* is the long term residual undissolved surfactant having a value of less than about 14% of the total amount of an

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initial dosage, of surfactant,  $t$  is any single point in time,  $n$  is a stretching exponent having a value of less than about 2,  $RT$  is dissolution time having a value of less than about 0.5 and  $t_{wash}$  is the time of the wash cycle.

**Claim 6. (Previously Amended)** The granular detergent composition as claimed in Claim 5 wherein  $U^*$  has a value of less than about 7%,  $n$  has a value of less than about 1.5 and  $RT$  has a value of less than about 0.25.

**Claim 7. (Previously Amended)** The granular detergent composition as claimed in Claim 6 wherein  $U^*$  has a value of less than about 3.5%,  $n$  has a value of less than about 1 and  $RT$  has a value of less than about 0.12.

**Claim 8. (Previously Amended)** The composition as claimed in Claim 7 wherein said composition has insoluble residues and at least about 90% of said insoluble residues have a particle size of less than 15  $\mu\text{m}$ .